imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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2SB1587



Silicon PNP Epitaxial Planar Transistor (Complement to type 2SD2438)

Application : Audio, Series Regulator and General Purpose

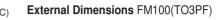
Absolute maximum ratings (Ta=25°C) Ratings Symbol Unit Vсво -160 ۷ VCEO -150 ٧ Vево -5 ۷ Ic --8 А lв -1 A Pc 75(Tc=25°C) w Τj 150 °C Tstg –55 to +150 °C

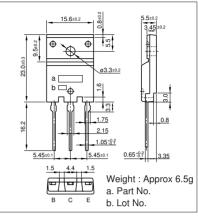
Darlington

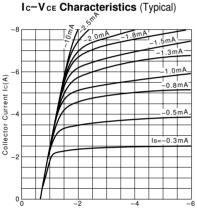
Electrical C	haracteristics	(Ta=25°C)							
Symbol	Conditions Ratings		Unit						
Ісво	Vcb=-160V	-100max	μA μA						
Іево	VEB=-5V	-100max							
V(BR)CEO	Ic=-30mA	–150min	V						
hfe	VCE=-4V, IC=-6A	5000min*							
VCE(sat)	Ic=–6A, IB=–6mA	-2.5max	V						
VBE(sat)	Ic=–6A, IB=–6mA	-3.0max	V MHz						
fτ	VCE=-12V, IE=1A	65typ							
Сов	Vcb=-10V, f=1MHz	160typ	pF						

*hFE Rank 0(5000 to 12000), P(6500 to 20000), Y(15000 to 30000)

Typical Switching Characteristics (Common Emitter)												
	Vcc (V)	RL (Ω)	Ic (A)	VBB1 (V)	VBB2 (V)	I _{В1} (mA)	I _{B2} (mA)	ton (μs)	tstg (μs)	tf (μs)		
	-60	10	-6	-10	5	-6	6	0.7typ	3.6typ	0.9typ		

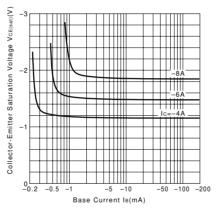




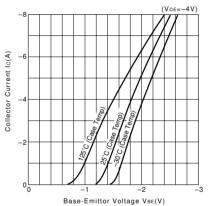


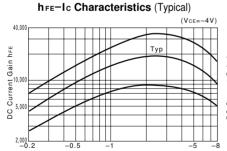
Collector-Emitter Voltage VCE(V)



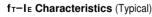


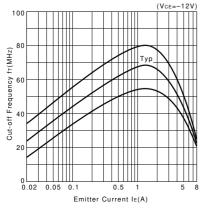
Ic-VBE Temperature Characteristics (Typical)

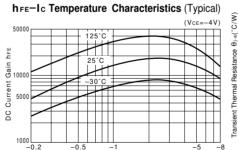
















0.5 nsient

0.2

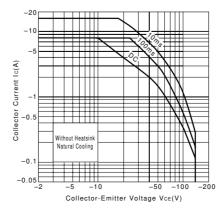
θ_{j-a}-t Characteristics





2000





Pc-Ta Derating

